

Message Text

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ORIGIN EUR-12

INFO OCT-01 ISO-00 DODE-00 PM-05 CCO-00 CIAE-00
OTPE-00 EB-08 FCC-01 INR-07 NSAE-00 OC-06 USIA-06
COME-00 BIB-01 SS-15 NSC-05 DLOS-09 ABF-01 OMB-01
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FM SECSTATE WASHDC
TO USMISSION USNATO PRIORITY
INFO COMNAVTELCOM WASHDC
CINCLANT NORFOLK VA
USLOSACLANT NORFOLK VA

C O N F I D E N T I A L STATE 265008

E.O. 11652: GDS

TAGS: NATO, ETEL, MARR

SUBJECT: NATO SATCOM LOS LINK BETWEEN NORTHWEST AND
NORFOLK VA

R"F: USNATO 10204, DTG 212032Z OCT 77

FOLLOWING INFORMATION IS PROVIDED FOR YOUR USE TO
RESPOND TO POINTS RAISED IN PARA ; REFTEL:

1. COSTS TO NATO FOR A JOINT US AND NATO LOS LINK:
THE QUOTE LAST AND BEST UNQUOTE OFFER WAS PRESENTED
IN DRAFT FORM BY US NAVY REPS AT US/NICSMA MEETING
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HELD IN BRUSSELS ON OCTOBER 14, 1977. OFFER IS
SUMMARIZED BELOW:

A. GENERAL. A 120 PERCENT INSTALLATION AND OVERH-AD
CHARGE IS ADDED TO EQUIPMENT COST AND IS BROKEN DOWN
AS FOLLOWS:

--ENGINEERING 10 PERCENT
--SITE SELECTION AND SURVEY 10 PERCENT
--PREPARATION OF STATEMENT OF WORK AND
---MISCELLANEOUS MANAGEMENT 1; PERCENT

--INSTALLATION 30 PERCENT
--SPARES 30 PERCENT
--TEST EQUIPMENT, DOCUMENTATION AND
---TRAINING 15 PERCENT
--CONTINGENCY FUNDS 10 PERCENT

B. NORTHWEST VA AREA. A TAIL OF ABOUT 6,000 FEET IS
IS NEEDED TO INTERCONNECT THE NATO SATCOM GROUND
TERMINAL WITH US TERMINATION OF THE LOS LINK. ESTIMATED
COSTS TO NATO ARE:

--PGM FOR 120 VOICE CHANNELS 75K DOLLARS
--VOICE FREQUENCY CABLE 13K DOLLARS

SUB,O,AL 88K DOLLARS

--120 PERCENT INSTALLATION AND O/H 107K DOLLARS

TOTAL 195K DOLLARS

C. LOS LINK BETWEEN NORTHWEST AND NORFOLK VA. A
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RELAY IS INSTALLED BETWEEN NORTHWEST AND NORFOLK AT
DRIVER. COSTS OF LINK ARE SHARED WITH NATO. ESTIMATED
NATO SHARE IS:

--RADIOS, MUX, ETC. 73K DOLLARS
--120 PERCENT INSTALLATION AND O/H 88K DOLLARS

TOTAL 161K DOLLARS

D. NORFOLK VA AREA. A TAIL OF ABOUT 2 1/2 MILES IS
NEEDED TO INTERCONNECT THE US TEST CONTROL FACILITY
WITH SACLANT HQS. ESTIMATED COSTS TO NATO ARE:

--PCM FOR 120 VOICE CHANNELS 75K DOLLARS
--FIBER OPTIC CABLE 50K DOLLARS

SUBTOTAL 125K DOLLARS

--120 PERCENT OF INSTALLATION AND O/H .. 150K DOLLARS
--CIVIL WORKS FOR NATO 30K DOLLARS

TOTAL 305K DOLLARS

E. RECAPITULATION OF ESTIMATED NATO COSTS:

--NORTHWEST VA TAIL 19;K DOLLARS
--LOS LINK 161K DOLLARS
--NORFOLK VA TAIL 305K DOLLARS

TOTAL 661K DOLLARS

2. TOWER HEIGHT AT BUILDING NH-95. NOTICE FOR A
PROPOSED 30 METER TOWER CONSTRUCTION AT BLDG NH-9; CINCLANT
COMPOUND WAS SUBMITTED TO FAA FOR CLEARANCE WITH
EXPEDITIOUS ACTION REQUESTED. FORMAL FAA APPROVAL
ANTICIPATED BY NOV 11, 1977. WILL ADVISE.
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3. RELAY SITE AT BOONE JA. THE OPERATIONAL AREA OF
NIKE SITE D-52, WHICH WOULD BE REQUIRED FOR RELAY
SITE, WAS TRANSFERRED TO THE CITY OF CHESAPEAKE. THE
AREA IS NOT AVAILABLE FOR A NATO OR US RELAY SITE.

4. POSSIBILITY OF US SHARING IN THE NICSMA SOLUTION.
SINCE US LOS LINK MUST TERMINATE IN TECHNICAL CONTROL
FACILITY AT NORFOLK, IT IS NOT FEASIBLE FOR US TO
SHARE IN THE NICSMA SOLUTION.

;. HOST NATION RESPONSIBILITY FOR THE PROPOSED NATO
PROJECT. WE UNDERSTAND THIS ISSUE TO BE RELATED TO
THE ONE IN PARA 4 ABOVE. ACCORDINGLY, IF NATO DECIDES
TO IMPLEMENT NICSMA SOLUTION, NORMAL NATO C-E PROJECT
PROCEDURES SHOULD BE FOLLOWED.

6. FREQUENCY AVAILABILITY. FREQUENCIES ARE AVAILABLE
IN 7-GHZ BAND FOR PROPOSED NATO 120 CHANNEL DIGITAL
SYSTEM. SUBMIT FREQUENCY APPLICATION TO ARFA VIA NORMAL
CHANNELS. ALLOW 1,0 DAYS FOR CLEARANCE. PLAN TO
FUND 10-12K FOR ELECTRO-MAGNETIC COMPATIBILITY STUDY.

7. INTERIM PHASE OF THE US PROPOSAL. IT IS OUR VIEW
THAT WE SHOULD NOT PLAN FOR AN INTERIM PHASE. BASED
ON PAST EXPERIENCE, THERE IS NO ASSURANCE THAT SYST:MS
WILL BE AVAILABLE WHEN PLANNED. EVEN AFTER CONTRACT
AWARD, ALL MAJOR NICS PROJ;CTS WERE OR ARE DELAYED
FROM A FEW MONTHS TO MORE THAN A YEAR.

WE ARE TAKING STEPS TO EXPEDITE INSTALLATION OF NEW US
LOS LINK SO THAT IT WOULD BE OPERATIONAL BY LAST
QUARTER CY 1979. AS TIME APPROACHES FOR OPERATIONAL
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USE OF AN UPGRADED NORFOLK SGT AND IF NEW LOS LINK IS UNAVAILABLE, US COULD PROVIDE SOME ADDITIONAL CAPACITY IN EXISTING US/NATO LINK. AS ANOTHER ALTERNATIVE, NICSMA COULD REARRANGE SCHEDULE OF SGT RETROFIT SO THAT AVAILABILITY OF A NEW LINK WOULD COINCIDE WITH AVAILABILITY OF A RETROFITTED NORFOLK SGT.

REGARDLESS OF THE APPROACH SELECTED, WE ARE CONVINCED THAT THERE WILL BE A NEGLIGIBLE OPERATIONAL EFFECT FROM ANY GAP THAT MAY EXIST BETWEEN THE TIME THAT THE SGT IS RETROFITTED AND THE TIME THAT A NEW US/NATO LOS LINK IS MADE AVAILABLE. ACCORDINGLY, WE BELIEVE THAT AN INTERIM PHASE IS NOT REQUIRED.

CHRISTOPHER

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Disposition Approved on Date:
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